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Case: 09/451,321

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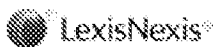
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242960 (06) 5693343 December 2, 1997

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5693343

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Link to Claims Section

December 2, 1997

Microparticle carriers of maximal uptake capacity by both M cells and non-M cells

REISSUE: November 30, 1999 - Reissue Application filed Ex. Gp.: 1614; Re. S.N. 09/451,321 (O.G. February 8, 2000)

INVENTOR: Reid, Robert H. - Kensington, Maryland, United States (US); Van Hamont, John E. - Fort Meade, Maryland, United States (US); Brown, William R. - Denver, Colorado, United States (US); Boedeker, Edgar C. - Chevy Chase, Maryland, United States (US); Tries, Curt - Baldwin, Missouri, United States (US)

APPL NO: 242960 (08)

FILED DATE: May 16, 1994

GRANTED DATE: December 2, 1997

ASSIGNEE - PRE-ISSUE: September 1, 1994 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS);.. UNITED STATES OF AMERICA, THE, AS REPRESENTED BY THE SECRETARY OF THE ARMY WASHINGTON, D.C. 20310, Reel and Frame Number: 007121/0009

ASSIGNEE - AT-ISSUE: The United States of America as represented by the Secretary of the Army, Washington, District of Columbia, United States (US); United States government (06)

LEGAL REP: Bellamy, Werten F. W.

Lexis lists litigation at the top of its patents: No litigation listed.

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
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
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1. **PR Newswire**, August 7, 2008 Thursday 12:00 PM GMT, , 2155 words, Raptigen Reports First Quarter Fiscal Year 2009 Financial Results, WALTHAM, Mass., Aug. 7
... Product revenue \$5,693,343 \$5,731,476 ...
2. **PR Newswire**, January 23, 1989, Monday, 555 words, HUDSON FOODS ANNOUNCES NET INCOME AND SALES FOR FIRST QUARTER, ROGERS, Ark., Jan. 23
... earnings (loss) 1,591,432 (\$5,693,343) 14,792,293 (4) Earnings { ...
3. **The New York Times**, February 3, 1988, Wednesday, Late City Final Edition, Section D: Page 11, Column 1; Financial Desk, 37 words, HUDSON FOODS INC reports earnings for Qtr to Jan 19
... Net loss 5,693,343 b7,494,732 ...
4. **PR Newswire**, January 29, 1988, Friday, 399 words, INDUSTRYWIDE OVERPRODUCTION AND LOW PRICES CITED, ROGERS, Ark., Jan. 29
... Net income (loss) (\$5,693,343) 7,494,732 Earnings (loss) ...

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Title

Patent Assignee :

Inventor(s) :

Patent Number(s) :

Priority Number(s) :

Application Number(s) :

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Publication Date From January Earliest

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(5693343)/PN /XPN

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1 / 1 PLUSPAT - @Questel

Patent Number :

US5693343 A 19971202 [US5693343]

Title :

(A) Microparticle carriers of maximal uptake capacity by both M cells
and non-M cells

Patent Assignee :

(A) US ARMY (US)

Patent Assignee :

The United States of America as represented by the Secretary of the
Army, Washington DC [US]

Inventor(s) :

(A) REID ROBERT H (US); VAN HAMONT JOHN E (US); BROWN WILLIAM R (US);
BOEDEKER EGAR C (US); THIES CURT (US)

Application Nbr :

US24296094 19940516 [1994US-0242960]

1 / 1 LGST - @EPO

Patent Number :

US5693343 A 19971202 [US5693343] (A) Patent

Application Number :

US24296094 19940516 [1994US-0242960]

Publication actions :

19940516 US-API [POS; EXM]

FILING DETAILS

US24296094 19940516 [1994US-0242960]

19971202 US-A [POS; EXM]

Patent

US5693343 A 19971202 [US5693343]

Action Taken :

19940901 US/AS02-A [NMC]

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OWNER: UNITED STATES OF AMERICA, THE, AS REPRESENTED BY T; EFFECTIVE
DATE: 19940728

19940901 US/AS02-A [NMC]

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: REID, ROBERT H.; EFFECTIVE DATE: 19940728

19940901 US/AS02-A [NMC]

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: VANHAMONT, JOHN; EFFECTIVE DATE: 19940808

19940901 US/AS02-A [NMC]

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: BROWN, WILLIAM R.; EFFECTIVE DATE: 19940728

19940901 US/AS02-A [NMC]

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: BOEDEKER, EDGAR C.; EFFECTIVE DATE: 19940728

19940901 US/AS02-A [NMC]
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: THI; EFFECTIVE DATE: 19940824

20000208 US/RF-A [OPP]
REISSUE APPLICATION FILED
EFFECTIVE DATE: 19991130

Lasted Event Group :

OPP

Alive

Update Code :

2003-22

1 / 1 CRXX - @CLAIMS/RRX

Patent Number :

5,693,343 A 19971202 [US5693343]

Patent Assignee :

U S of America Army Secretary of

Actions :

19991130 REISSUE REQUESTED

Issue Date of O.G.: 20000208

Reissue Request Number: 09/451321

Examination Group responsible for Reissue process: 1614

Query/Command : st